

# Soybeans and MK Pelletized Gypsum

## Why is Calcium Sulfate Important to Soybeans?

- It is critical that the Calcium to Magnesium ratio be at least 3.5 to 1.
- Soil with pH levels at or above 7.0, many times need calcium to enhance the Calcium to Magnesium ratio.
- The soybean plant is a large user of calcium.
- Calcium is a key element in the soil that enhances root development, plant health, nutrient uptake and chemical effectiveness.
- Finely ground pelletized gypsum is the best and most economical way to put calcium and sulfur in its most available form to the plant.

## How can I determine whether or not I need Calcium Sulfate?

- If Calcium to Magnesium ratio is below 3.5, then adding calcium sulfate will move this ratio to the desired level.
- If you have a tight clay soil (Cation Exchange Capacity is High), then calcium sulfate will loosen this soil and enhance the infiltration of oxygen and water.

## Why should I use MK Pelletized Gypsum?

- MK Pelletized Gypsum is ground into a fine powder using MK's unique pulverization process. Ground to 76% passing a 200 mesh screen before it is granulated.
- Calcium in its purest form is insoluble and must be in a small particle to immediately move into the "soil solution".
- Particle size is the key to translocation to the roots of the plant
- It is in a granule form that should be applied at a rate of 200-400 lbs per acre.
- Can be blended with other dry fertilizer and applied from fall through spring pre-plant.
- Contains 22% calcium and 16% sulfur.
- It is the most economical source of calcium and sulfur for soybeans.



**MK Minerals, Inc.**

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Plant location - Wathena, KS